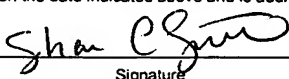



FORM PTO-1390 (REV. 10-2003)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NO. 4300.014800
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371			U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 13/511914
INTERNATIONAL APPLICATION NO. PCT/US03/12225	INTERNATIONAL FILING DATE April 17, 2003	PRIORITY DATE CLAIMED April 17, 2002	
TITLE OF INVENTION IMPROVED rAAV VECTORS (as amended)			
APPLICANT(S) FOR DO/EO/US SCOTT A. LOILER, TERENCE R. FLOTTE, NICHOLAS MUZYCZKA and MARK A. ATKINSON			
Applicants herewith submit to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 			
Items 11 to 20 below concern document(s) or information included:			
<ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: Submission of Formal Drawings (Figures 1-13 on 10 sheets); Postcard 			

CERTIFICATE OF EXPRESS MAILING	
NUMBER	EV 405388150 US
DATE OF DEPOSIT:	OCTOBER 18, 2004
I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450	
 Signature	

U.S. APPLICATION NO. (If known, see 37 CFR 1.53) 10/511914		INTERNATIONAL APPLICATION NO. PCT/US03/12225		ATTORNEY'S DOCKET NUMBER 4300.014800	
21. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$790.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$750.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00 ENTER APPROPRIATE BASIC FEE AMOUNT =				CALCULATIONS PTO USE ONLY	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$ 100.00	
				\$ 130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	27 - 20 =	7	x \$ 18.00	\$ 126.00	
Independent Claims	8 - 3 =	5	x \$ 88.00	\$ 440.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$290.00	\$ -0-	
TOTAL OF ABOVE CALCULATIONS =				\$ 796.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.					
SUBTOTAL =				\$ 398.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$ -0-	
TOTAL NATIONAL FEE =				\$ 398.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$ -0-	
TOTAL FEES ENCLOSED =				\$ 398.00	
				Amount to be Refunded:	\$
				Charged:	\$
a. <input checked="" type="checkbox"/> A check in the amount of \$398.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0786/4300.014800. A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO:					
CUSTOMER NUMBER: 23720 Mark D. Moore, Ph.D. WILLIAMS, MORGAN & AMERSON 10333 Richmond, Suite 1100 Houston, TX 77042 (713) 934-4084 Date: October 18, 2004			 SIGNATURE Mark D. Moore, Ph.D. NAME 42,903 REGISTRATION NUMBER		

10/511914

DT01 Rec'd PCT/PTC 18 OCT 2004

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

SCOTT A. LOILER
TERENCE R. FLOTTE
NICHOLAS MUZYCZKA
MARK A. ATKINSON

Group Art Unit: Unknown

Examiner: Unknown

Atty. Dkt. No.: 4300.014800

Customer No. 23720

Serial No.: Unknown


Filed: Concurrently Herewith

For: IMPROVED rAAV VECTORS (as
amended)

SUBMISSION OF FORMAL DRAWINGS

ATTN: Official Draftsman
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:


EXPRESS MAILING LABEL 37 C.F.R. § 1.10	
I hereby certify that this paper is being deposited with the U.S. Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" (Number EV 405388150 US) service on the date indicated and is addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below:	
October 18, 2004 Date	 Signature

Applicants hereby submit the formal drawings for the above-referenced application
(Figures 1-13 on 10 sheets) and request that these drawings be accepted for filing.

Respectfully submitted,

WILLIAMS, MORGAN & AMERSON
CUSTOMER NO. 23720

Date: October 18, 2004


Mark D. Moore, Ph.D.
Reg. No. 42,903
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Houston, Texas 77042
(713) 934-4084
(713) 934-7011 (facsimile)

AGENT FOR APPLICANTS